

Serial No. 08/070,455

C 1
ID No. 2 and SEQ ID No. 3 together with a promoter selected [among] from the group consisting of CAMV 35S, patatin I and the GBSS promoter.

C 2
4. (Amended) Fragment of the potato gene coding for granule-bound starch synthase (GBSS) [in potato], said fragment being selected [among the] from the group consisting of fragments which essentially have the nucleotide sequences stated in SEQ ID No. 1, SEQ ID No. 2 and SEQ ID No. 3.

C 3
6. (Amended) [Gene] Isolated potato gene coding for granule-bound starch synthase (GBSS gene) having essentially the nucleotide sequence stated in SEQ ID No. 5.

C 4
7. (Amended) Antisense construct for inhibiting expression of the gene for granule-bound starch synthase in potato, comprising
a) a promoter,
b) a fragment of the potato gene coding for granule-bound starch synthase inserted in the antisense direction, said fragment being selected [among the] from the group consisting of fragments having essentially the nucleotide sequence stated in SEQ ID No. 1, SEQ ID No. 2 and SEQ ID No. 3.

C 4
10. (Amended) Vector comprising a fragment of the potato gene coding for granule-bound starch synthase (GBSS) [in potato], said fragment being selected [among the] from the group consisting of fragments having essentially the nucleotide

C4
sequences stated in SEQ ID No. 1, SEQ ID No. 2 and SEQ ID No. 3, and inserted in the antisense direction in relation to a promoter immediately upstream from the gene fragment.

C5
Please add new claim 21 as follows:

21. A method for tuber-specific expression of a gene product in potato, comprising transforming said potato with a DNA molecule comprising an isolated promoter from the potato gene coding for granule-bound starch synthase (GBSS), said promoter having essentially the nucleotide sequence stated in SEQ ID No. 4.

REMARKS

Entry of the foregoing, and further and favorable reconsideration of the subject application in light of the foregoing amendments and the following remarks pursuant to and consistent with 37 C.F.R. §1.112 are respectfully requested.

By the present Amendment, Claims 2, 3 and 5 have been cancelled without prejudice or disclaimer. Claims 1, 4, 7 and 10 have been amended to recite proper Markush group language (i.e., "from the group consisting of" rather than "among"). Claims 4, 7 and 10 have been amended to recite "fragment of the potato gene" rather than "fragment of the gene...in potato." Claim 6 has been amended to recite "isolated potato gene." Claim 10 has also been amended to recite that the fragment is inserted in the antisense direction "in relation to a promoter immediately upstream from the gene fragment." New Claim 21 has been added, which is directed to a method of tuber-